

ABAC Meeting Presentation

09-22-21

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Department of Planning & Community
Development



Items in this Presentation

1. Minuteman Bikeway Planning Project
2. MassTrails Grant – Mystic River to Minuteman Bikeway Feasibility Study
3. Data Update: Bluebikes and Minuteman Bikeway Eco Counter
4. Bluebikes Stations – Winter Operations and Possible Off-Street Locations





- Contract with Kittelson & Associates
- Beginning existing conditions data collection
- Survey being developed for distribution in a few weeks – online and paper; methods could include (with volunteer assistance in some cases):
 - Social media, email lists, etc.
 - Town Notice
 - Press release, news item
 - Intercepts along Bikeway
 - MassBike plug?
 - Bulletin boards along Bikeway and/or local community boards
 - Other Town BACs
 - AHS students
 - Other suggestions?
- Public meeting expected for later in October
- Overall schedule to complete by next May to prepare for next FY budgeting



Mystic to Minuteman Connection (MassTrails Grant)

- Received \$80,000 from MassTrails plus \$10,000 from Lawrence & Lillian Solomon Foundation
- RFP for consultant closed: 3 proposals received
- Selection Committee includes MyRWA, Solomon Foundation, and TAC member
- Consultant selection expected by early- to mid-October
- Project will create plan for creating trail connection and review alternatives for route alignment and intersection crossings
- Project must be completed by June 30, 2022

Data Update: Swan Place Eco Counter and Bluebikes

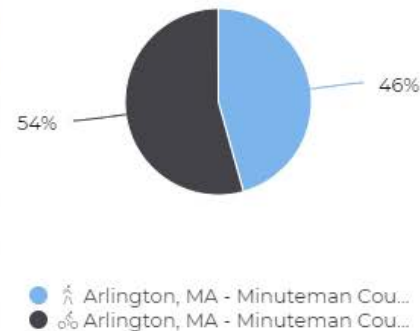
Location

Arlington, MA - Minuteman Counter



Distribution by User Type

Current ... Arlington, MA - Minut...



Pictures Gallery

Arlington, MA - Minuteman Counter



Daily Avg. - Week - Pedestrians

Current ... Arlington, MA - Minut...

Daily Average

690

▼ -34.9%

Compared to Previous Year

Daily Avg. - Weekend - Pedestrians

Current ... Arlington, MA - Minut...

Daily Average

777

▼ -45.0%

Compared to Previous Year

Daily Avg. - Week - Cyclists

Current ... Arlington, MA - Minut...

Daily Average

742

▼ -5.7%

Compared to Previous Year

Daily Avg. - Weekend - Cyclists

Current ... Arlington, MA - Minut...

Daily Average

1,121

▼ -2.8%

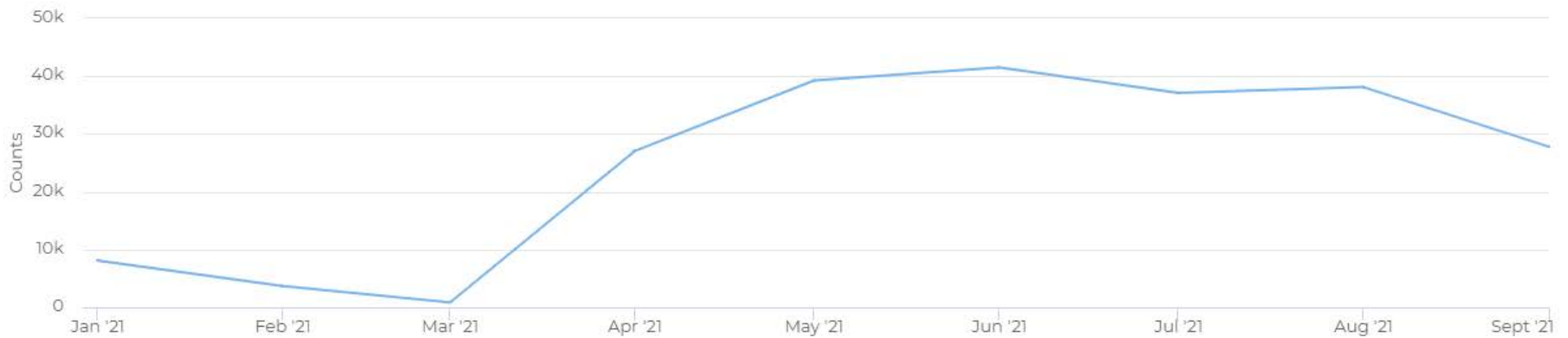
Compared to Previous Year

Bikeway at Swan Place Data

Cyclists per month - 2021

📅 Current Year

📍 Arlington, MA - Minuteman Counter 🚲 Cyclist



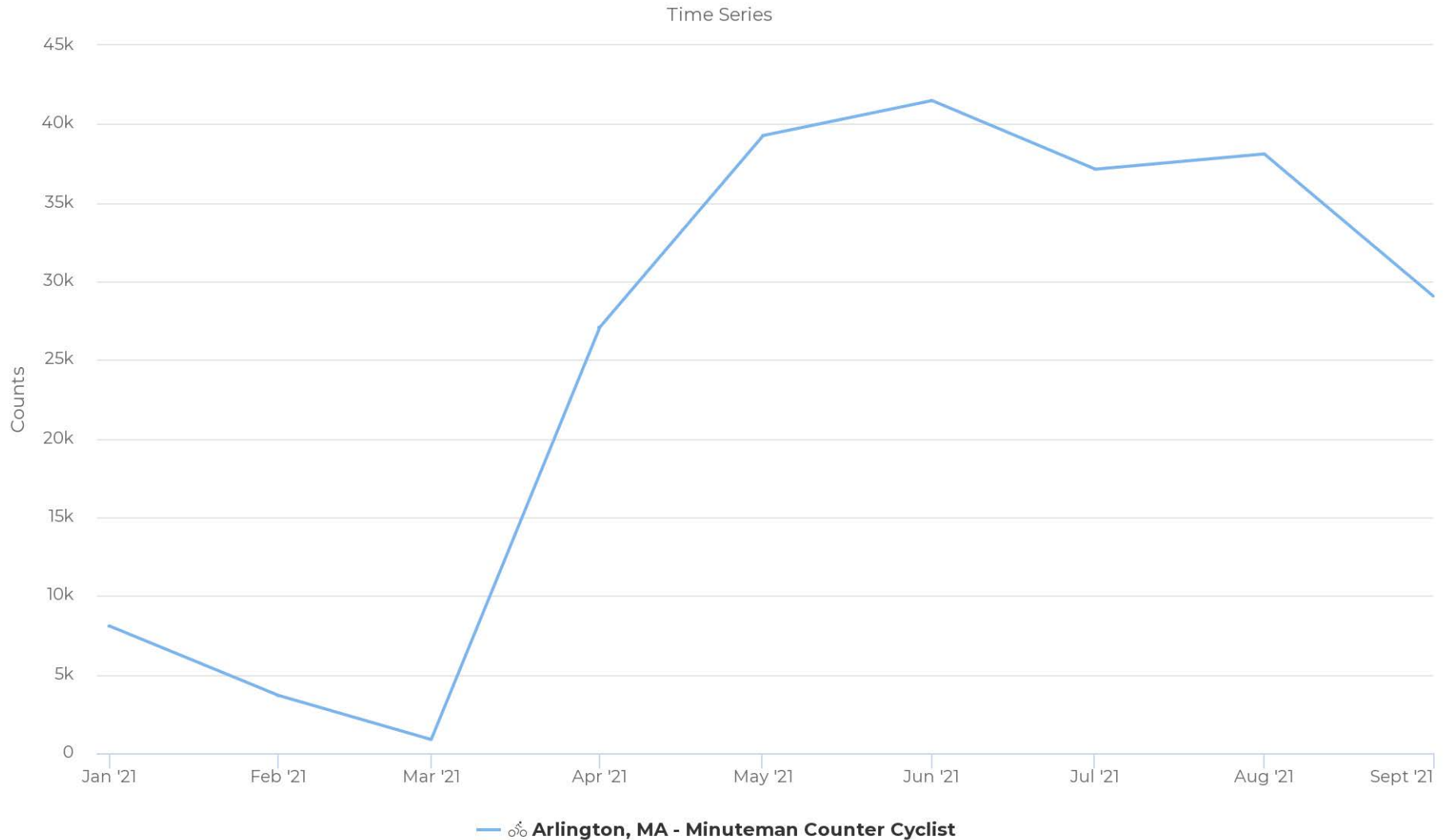
Annual Comparison - Cyclists

📅 @3y → @0d

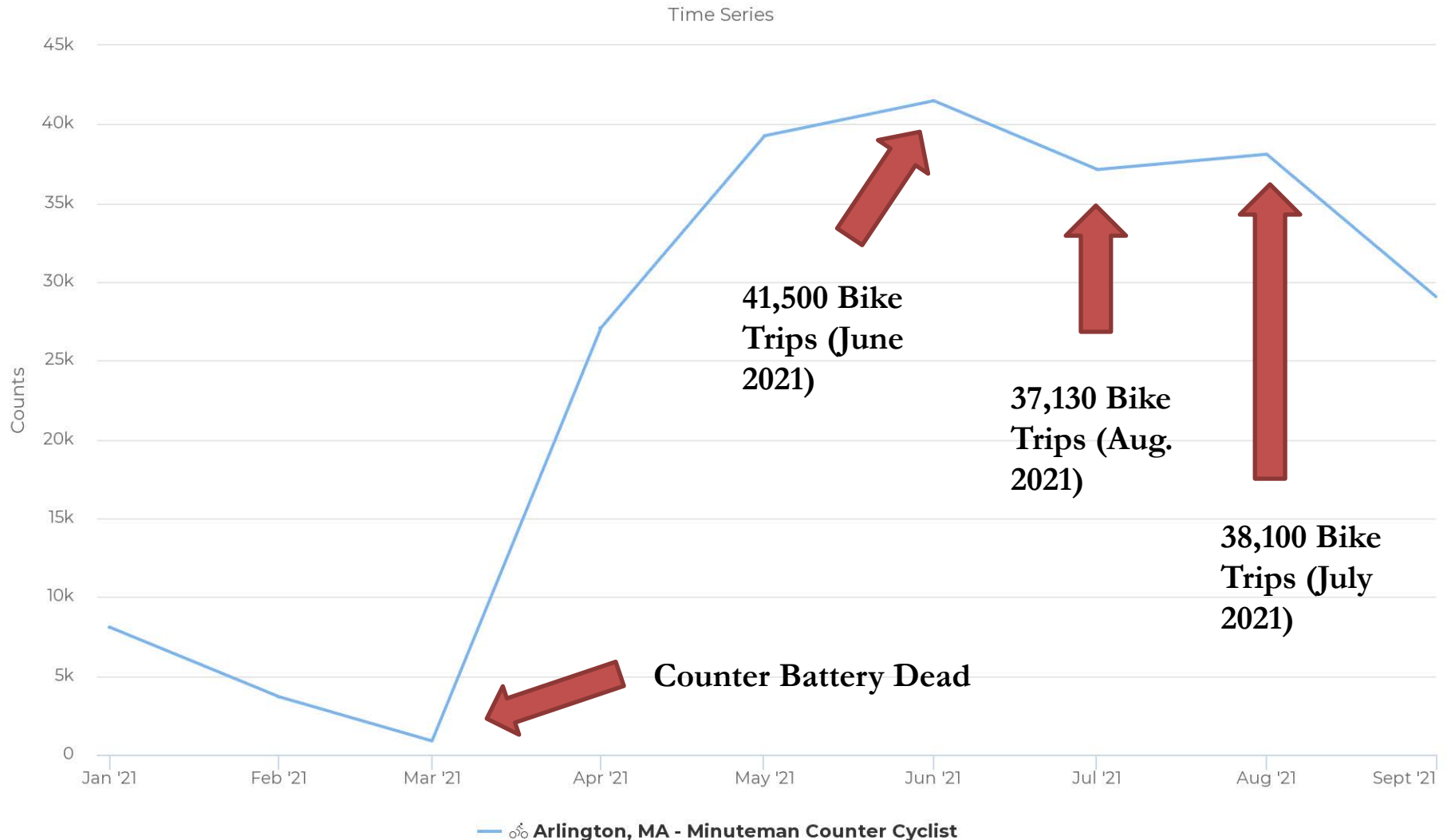
📍 Arlington, MA - Minuteman Counter 🚲 Cyclist



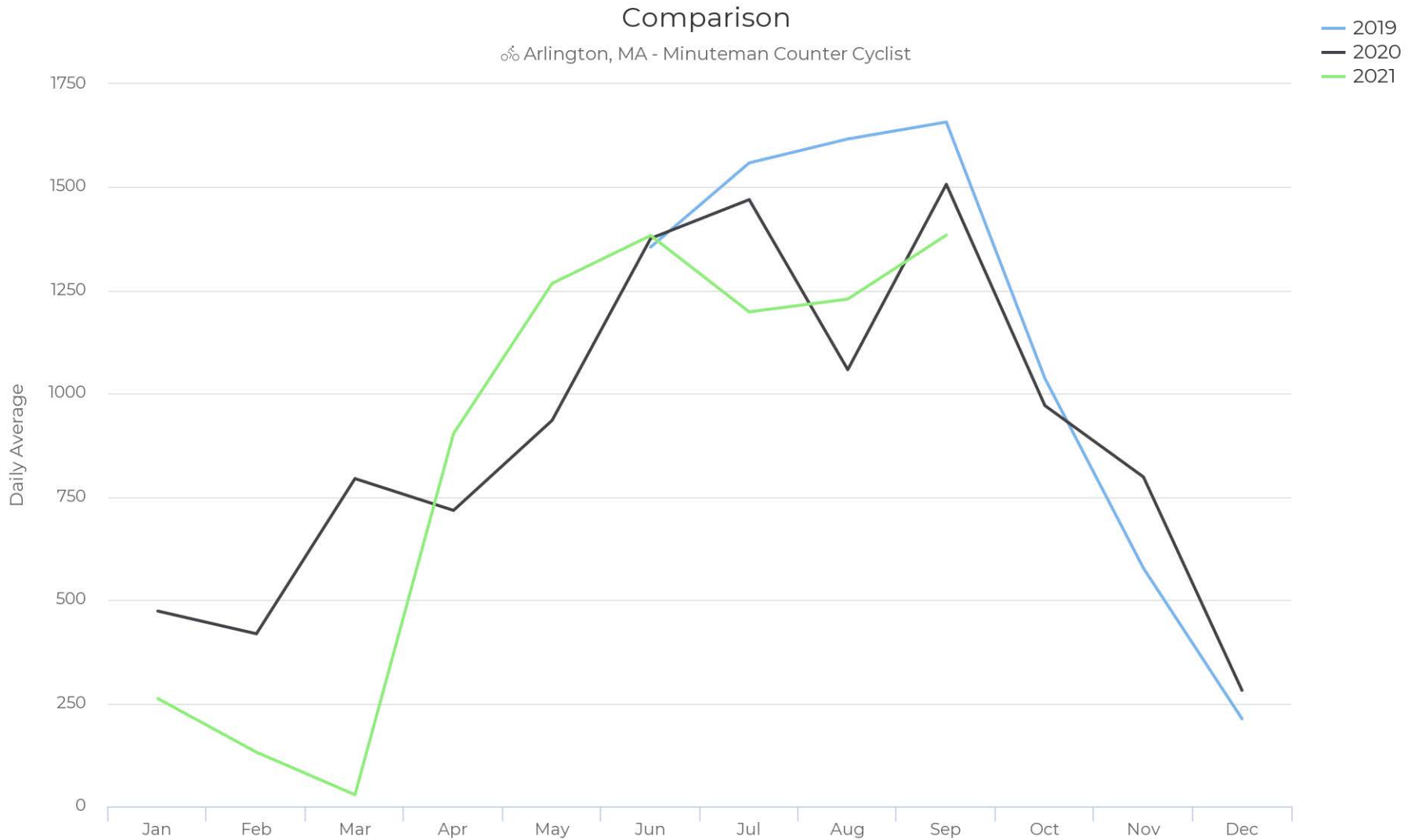
Bikeway at Swan Place Data



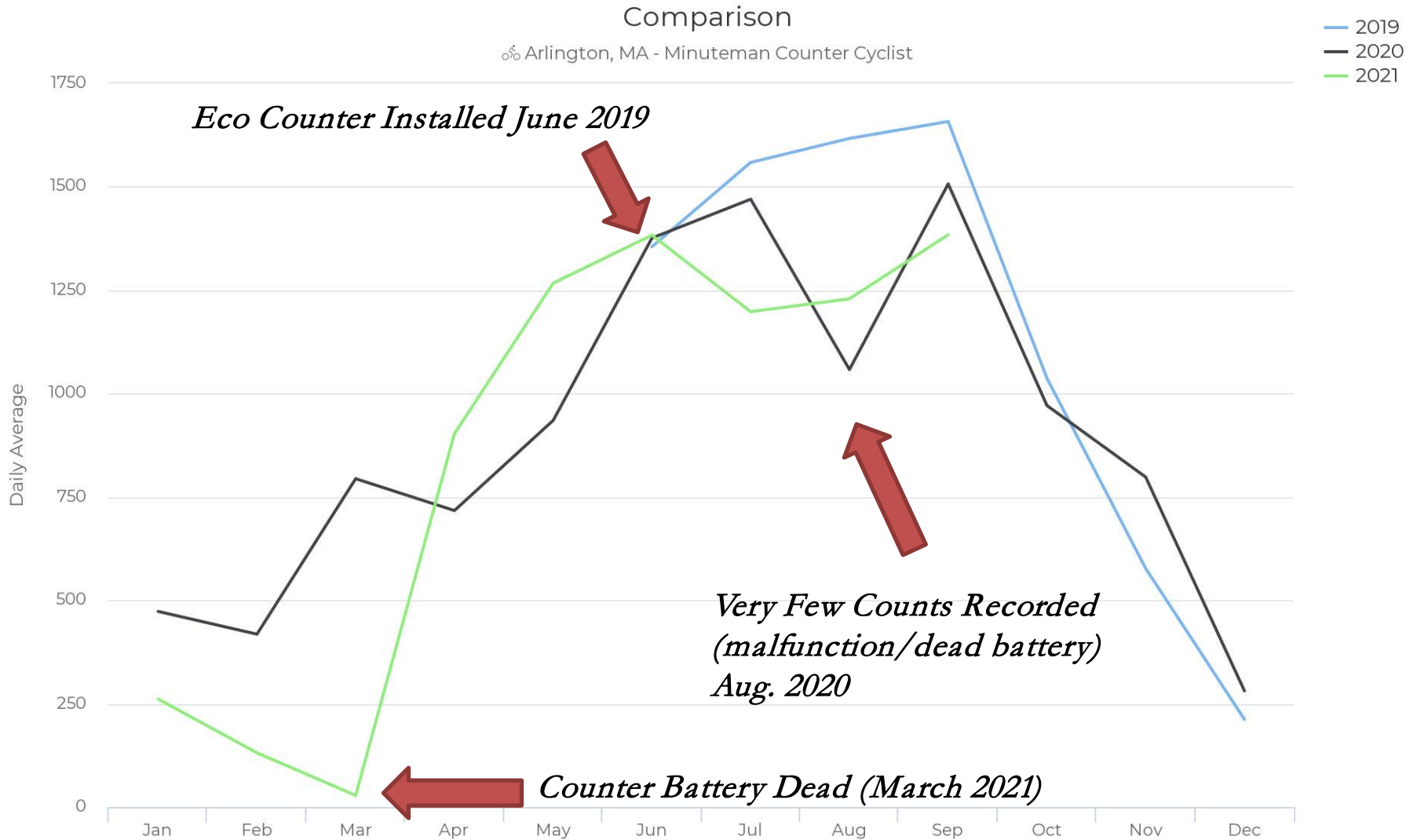
Bikeway at Swan Place Data



Bikeway at Swan Place Data



Bikeway at Swan Place Data



Bikeway at Swan Place Data

- Daily bike average peak: Sept. 2019 – 1,658 trips
- Highest daily average 2020: Sept. 2020 – 1,507 trips
- Highest daily average 2021: Sept. 2021 – 1,384 trips

Annual Comparison - Cyclists

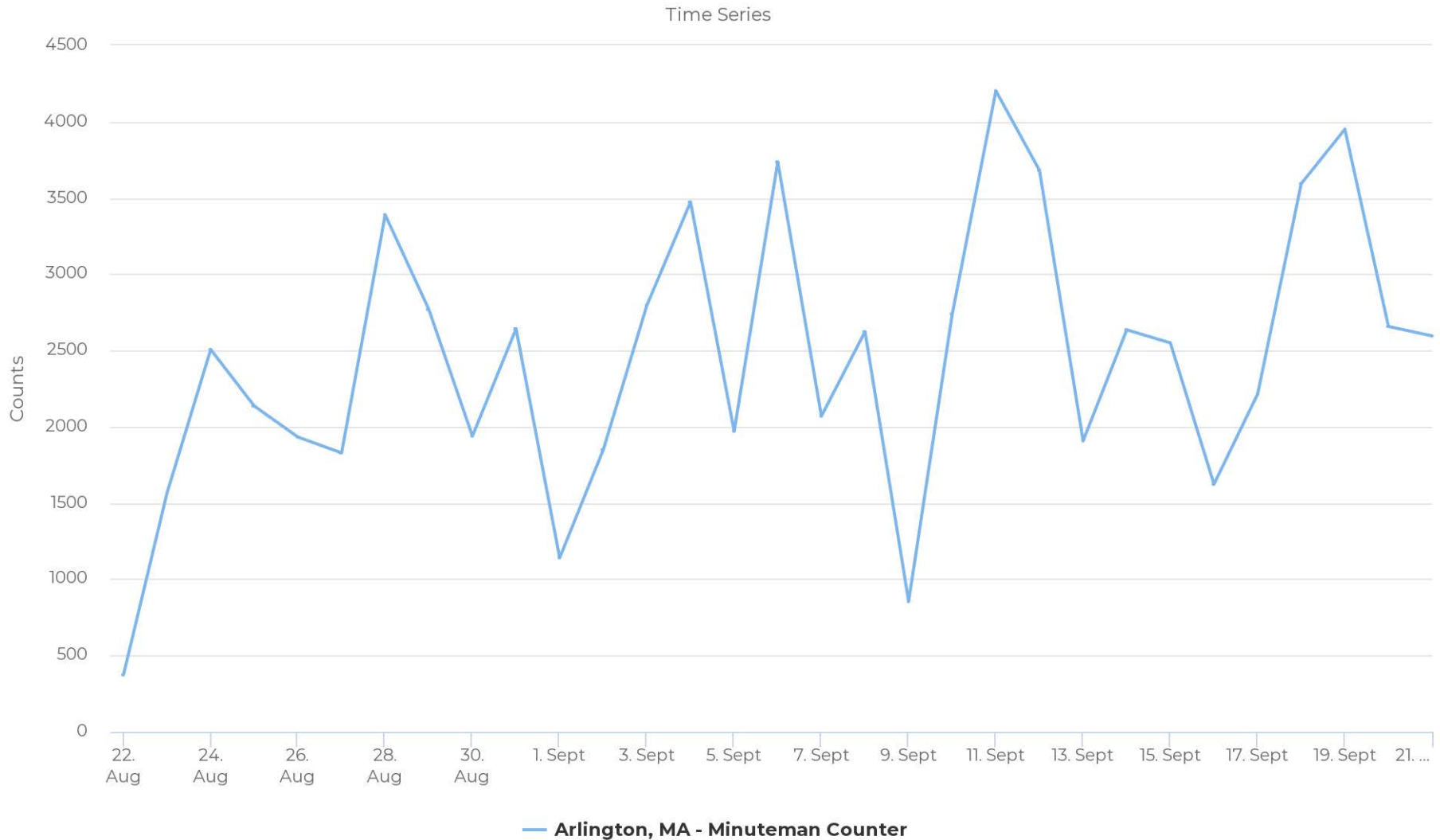
📅 @3y → @0d

📍 Arlington, MA - Minuteman Counter

🚲 Cyclist



Bikeway at Swan Place Data



Bikeway at Swan Place Data

- Total trips YTD: 410,921
- Bike Trips YTD: 223,473
 - Bike trips only; includes September so far and small amount of March data that was captured
 - 39,268 trips in May
 - 41,491 in June
 - 37,127 in July
 - 38,097 in August
 - 27,803 in September so far
- Issue with pedestrian trip data: bugs/beetles sheltering in the post covering up the sensor (removed Aug. 26)
- Highest trip day in last 30 days: Sat. September 11 – 4,202 trips



Arlington Bluebikes Data

- Trip Data:
 - 6,918 trips year-to-date in 2021
 - (+ 1,951 from last month)
 - 1,046 trips in May
 - 1,179 in June
 - 1,244 in July
 - 1,371 in August
 - 1,157 so far in September
- Greatest number of trips near Bikeway locations
- Bluebikes system hit all-time daily record of 18,000+ trips on 9/11/21
 - Broke previous daily record just set on Saturday 9/4/21 (16,200 trips)



Arlington Bluebikes Data

A	B	C	D	E	F	G
July 2021						
District	Logical Terminal Name	Station Name	Starting Trips	Ending Trips		
Arlington	L32001	Railroad Lot and Minuteman Bikeway	301	330		
	L32002	Linwood St at Minuteman Bikeway	314	351		
	L32003	Mass Ave at Grafton St	135	133		
	L32004	Broadway at Grafton St	90	91		
	L32005	Thorndike Field at Minuteman Bikeway	229	227		
	L32006	Mass Ave at Broadway	143	144		
					Total Attributed trips	1244

A	B	C	D	E	F	G
August 2021						
District	Logical Terminal Name	Station Name	Starting Trips	Ending Trips		
Arlington	L32001	Railroad Lot and Minuteman Bikeway	323	340		
	L32002	Linwood St at Minuteman Bikeway	321	358		
	L32003	Mass Ave at Grafton St	163	191		
	L32004	Broadway at Grafton St	83	84		
	L32005	Thorndike Field at Minuteman Bikeway	288	265		
	L32006	Mass Ave at Broadway	158	168		
					Total Attributed trips	1371

Note: Trips are “attributed” to Arlington stations by summing the number of starting and ending trips and dividing by two.

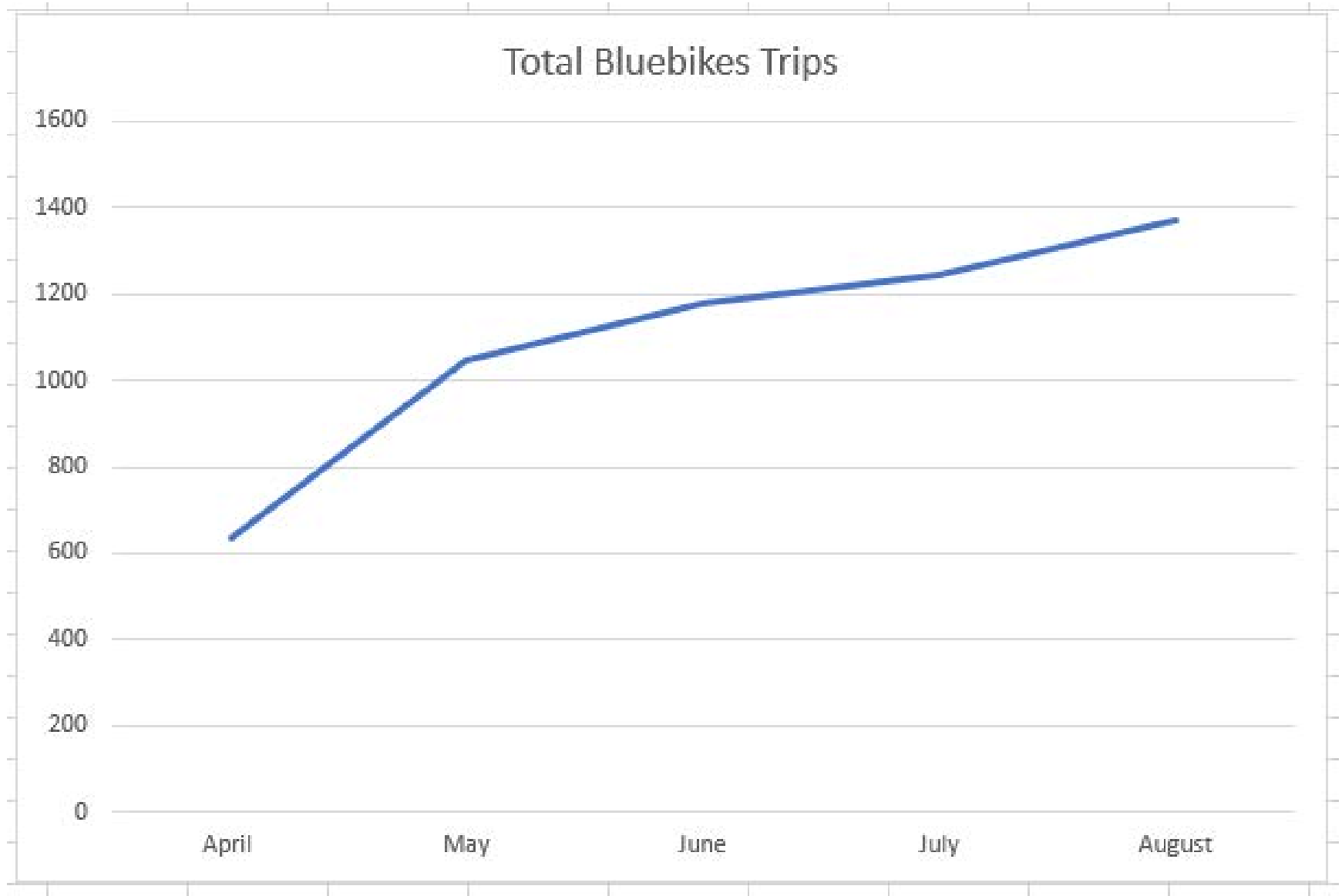
Arlington Bluebikes Data

A	B	C	D	E	F	G
September 2021 as of 09-22-21						
District	Logical Terminal Name	Station Name	Starting Trips	Ending Trips		
Arlington	L32001	Railroad Lot and Minuteman Bikeway	282	300		
	L32002	Linwood St at Minuteman Bikeway	306	314		
	L32003	Mass Ave at Grafton St	133	116		
	L32004	Broadway at Grafton St	80	68		
	L32005	Thorndike Field at Minuteman Bikeway	204	213		
	L32006	Mass Ave at Broadway	147	150		
					Total Attributed trips	1156.5

A	B	C	D	E	F	G
Year-to-Date as of 09-22-21						
District	Logical Temrinal Name	Station Name	Starting Trips	Ending Trips		
Arlington	L32001	Railroad Lot and Minuteman Bikeway	1,713	1,814		
	L32002	Linwood St at Minuteman Bikeway	1,589	1,703		
	L32003	Mass Ave at Grafton St	636	658		
	L32004	Broadway at Grafton St	428	430		
	L32005	Thorndike Field at Minuteman Bikeway	1,640	1,595		
	L32006	Mass Ave at Broadway	795	835		
					Total Attributed trips	6918

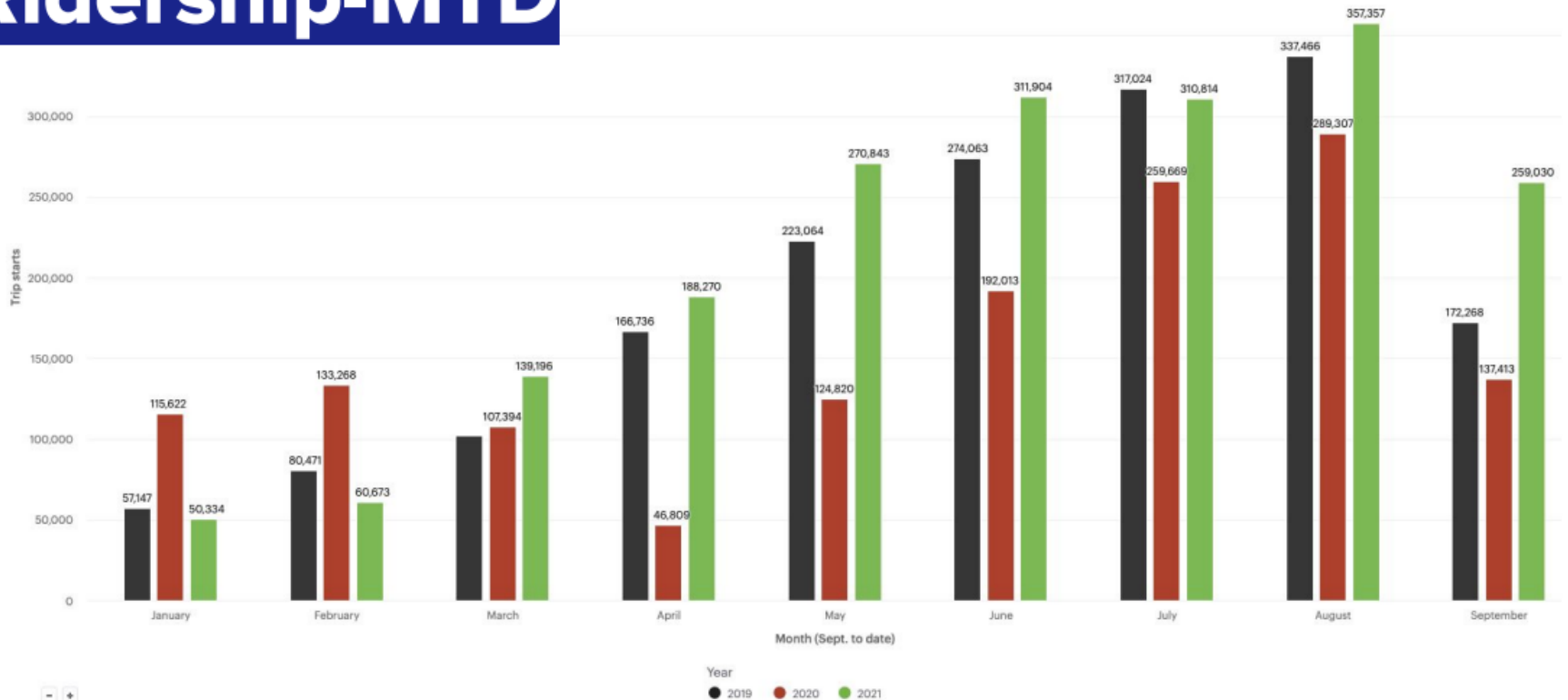
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Arlington Bluebikes Data



Overall Bluebikes Data

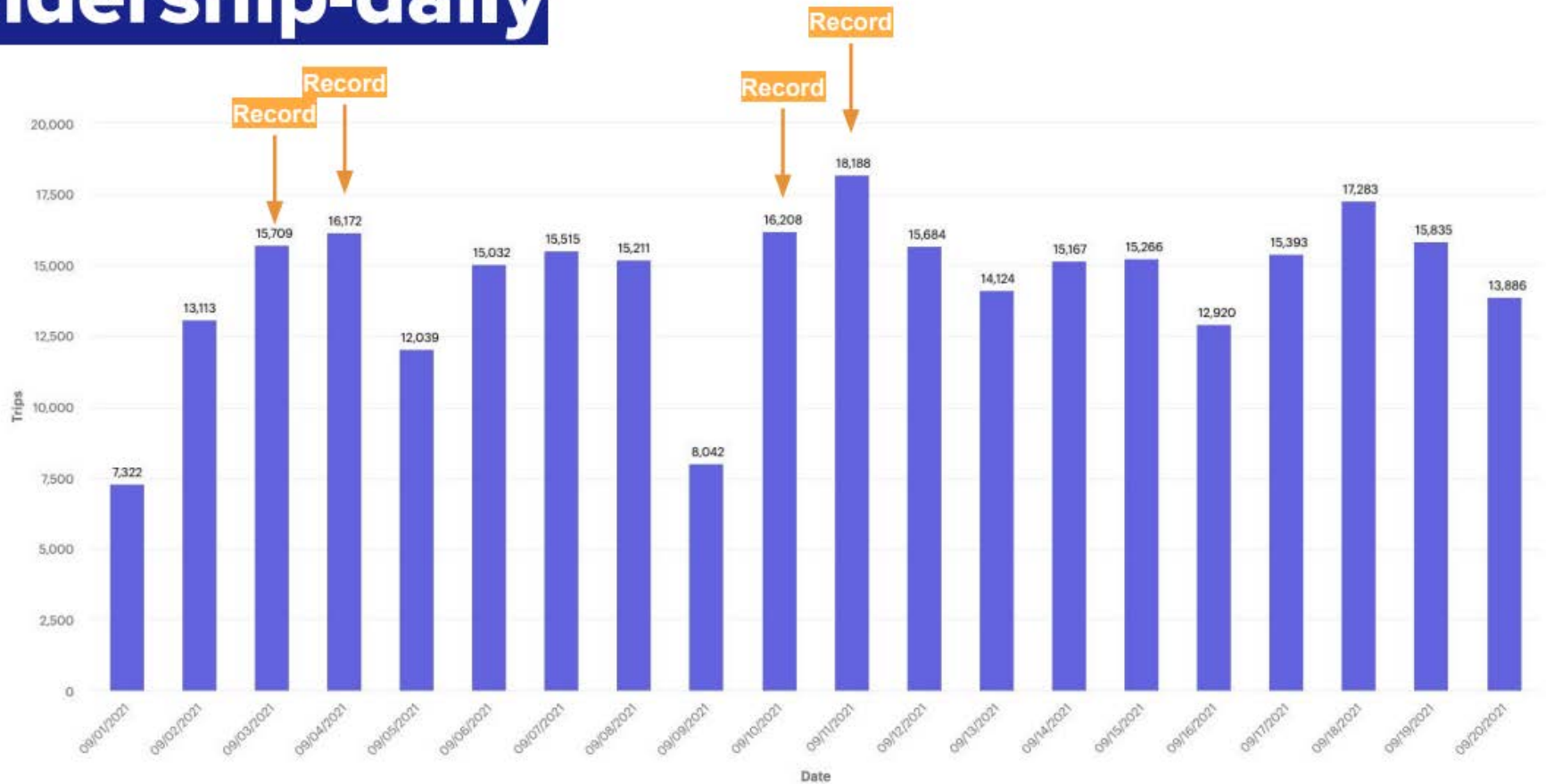
Ridership-MTD



Muni	Arlington	Boston	Brookline	Cambridge	Chelsea	Everett	Newton	Revere	Salem	Somerville	Watertown
Rides MTD	1,122	153,198	8,092	95,390	192	865	830	209	485	12,944	887

Overall Bluebikes Data

Ridership-daily



Bluebikes Winter Operations

- Off-street stations to be picked up around Thanksgiving (week of Nov. 22)
- Expected to be redeployed in April
- Winter storage is an additional fee the Town pays (\$2,500 per station)
- Off-street locations can operate year-round and avoid storage fee



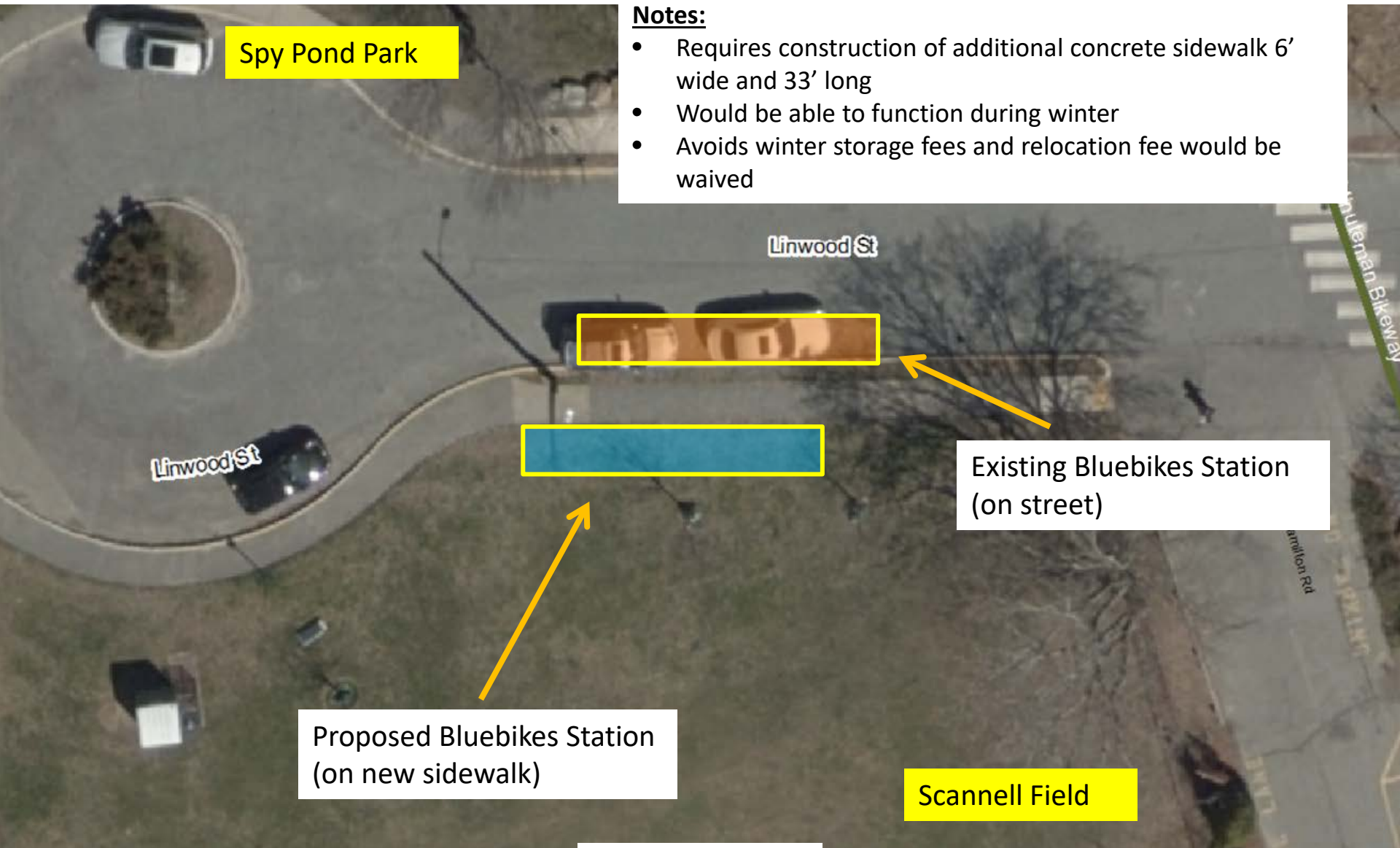
Image credit: Phil Goff

Bluebikes Off-Street Station Potential Relocation

- Railroad Lot @ Bikeway and Linwood Street @ Bikeway
- Most productive stations in Arlington system
- Relocation to as close to current location as feasible
- Linwood relocation requires concurrence from Park & Rec Commission



Linwood St at Minuteman Bikeway



Notes:

- Requires construction of additional concrete sidewalk 6' wide and 33' long
- Would be able to function during winter
- Avoids winter storage fees and relocation fee would be waived

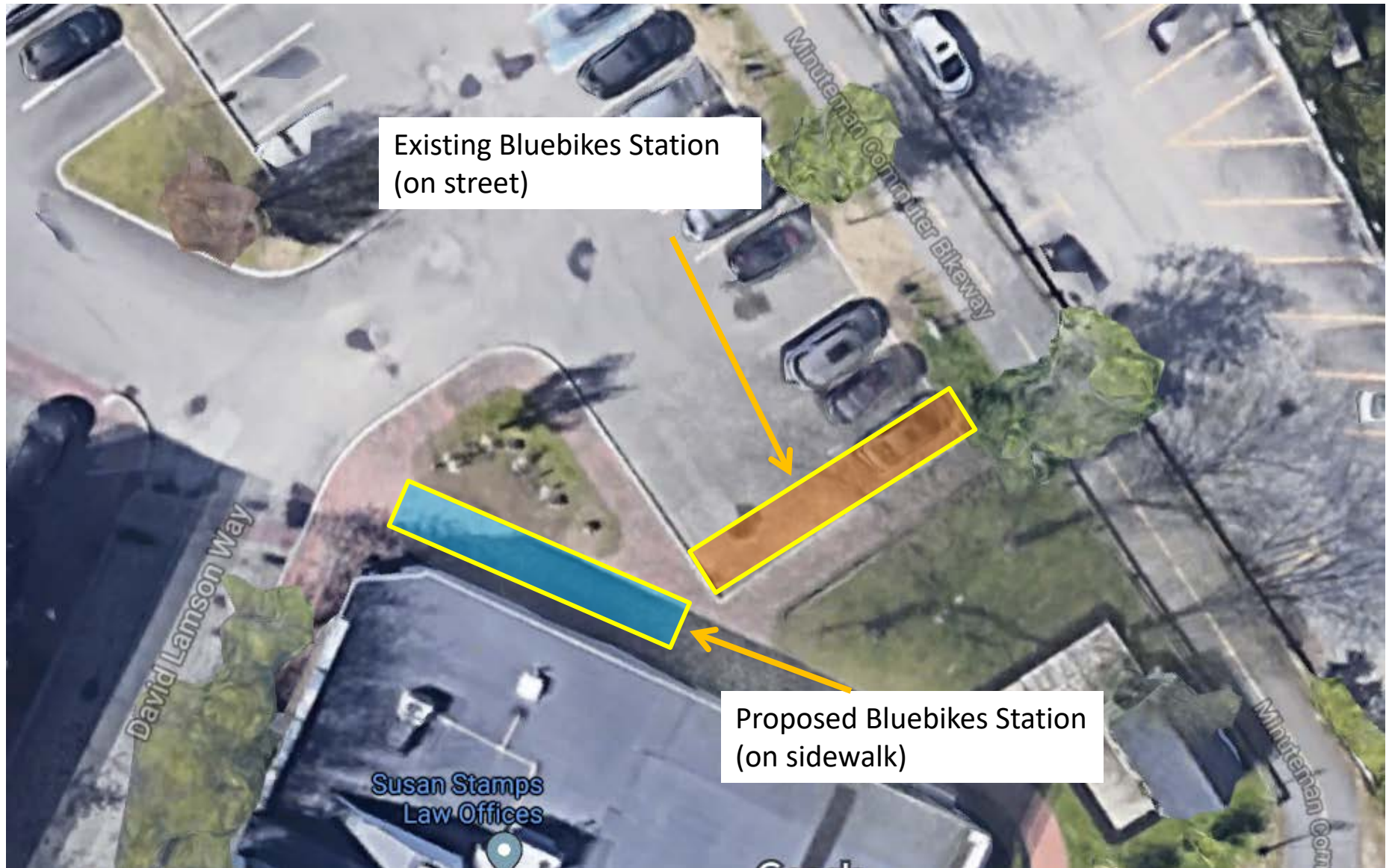
Proposed Bluebikes Station
(on new sidewalk)

Existing Bluebikes Station
(on street)

Scannell Field

****Not to Scale****

Railroad Lot at Minuteman Bikeway

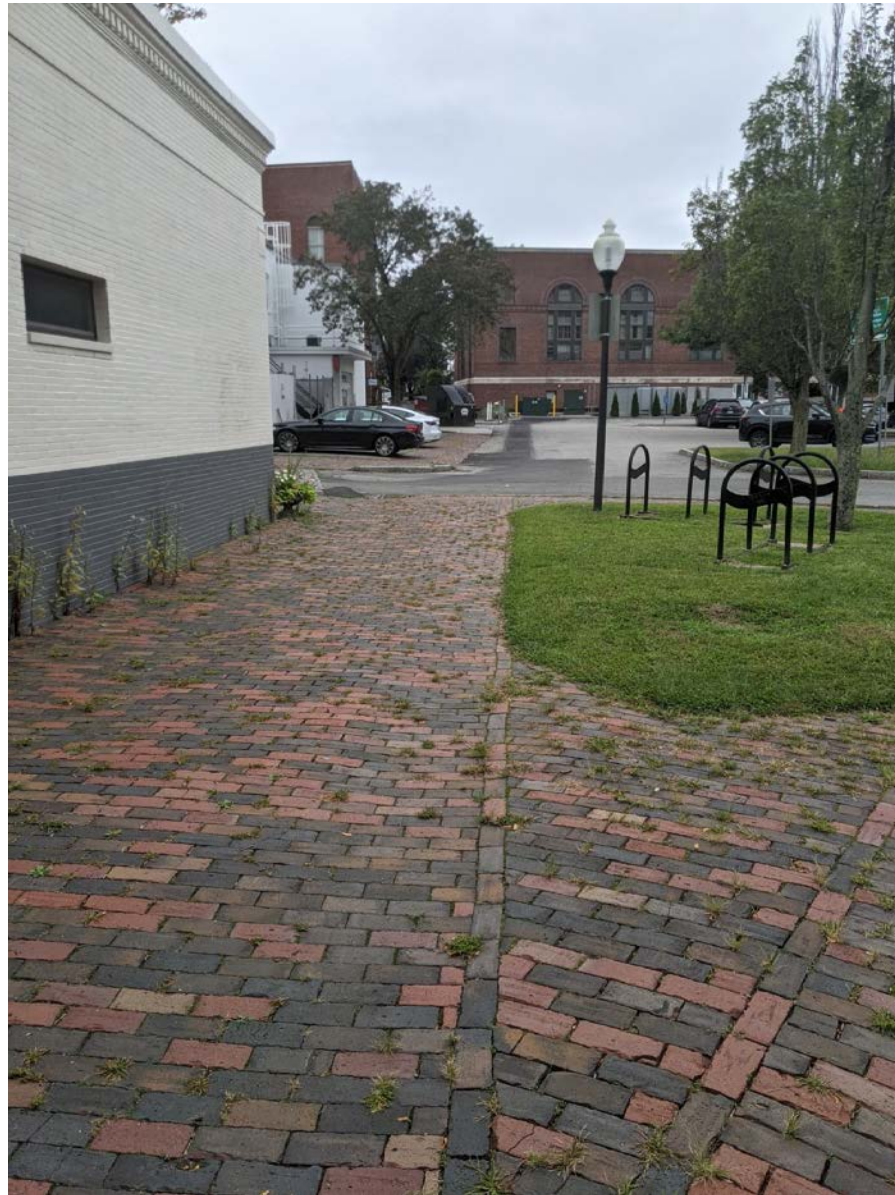


****Not to Scale****

Railroad Lot at Minuteman Bikeway (Google Maps)



Railroad Lot at Minuteman Bikeway (On-the-ground photo)



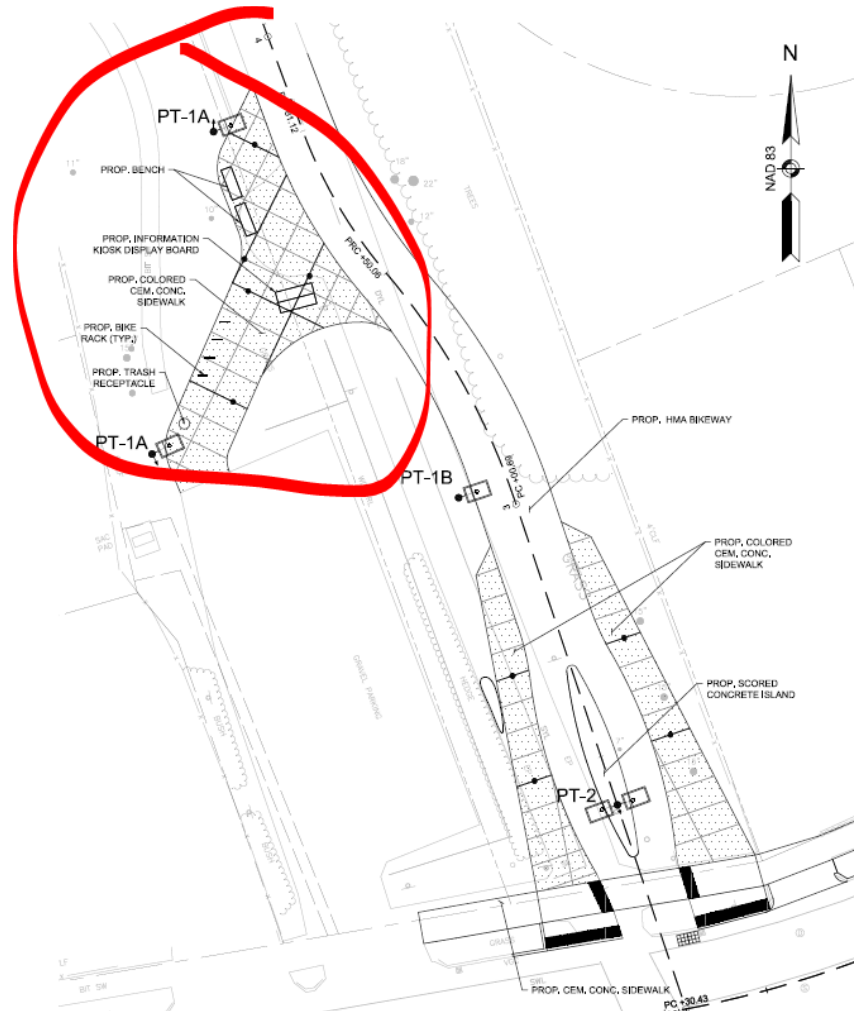
Bluebikes Off-Street Station Potential Relocation

- Railroad Lot @ Bikeway and Linwood Street @ Bikeway
- If these relocations work, they will be moved around the same time as stations are put in winter storage



Other Business/Updates

- Lake Street/Bikeway amenities added



Other Business/Updates

- Mass Ave bike lanes in Cambridge

